

Comparisons of Job Characteristics

Focus Occupation: Radiologic Technologists (29-2034)

Associated Occupation: Radiation Therapists (29-1124)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Radiologic Technologists (29-2034)

Associated Occupation: Radiation Therapists (29-1124)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Customer and Personal Service	11.3	17.1	18.4	0	Current knowledge level may be sufficient
Medicine and Dentistry	3.7	14.3	13.7	0	Current knowledge level may be sufficient
Psychology	6.4	12.8	11.2	<	Expanded education and/or training may be required
Biology	3.7	12.4	8.6	<<	Extensive education and/or training may be required
Physics	4.3	11.9	12.4	0	Current knowledge level may be sufficient
Philosophy and Theology	3.2	7.1	3.2	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Radiologic Technologists (29-2034)

Associated Occupation: Radiation Therapists (29-1124)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	10.8	9.0	<	A higher skill level may be required
Operation and Control	5.4	10.7	9.5	<	A higher skill level may be required
Quality Control Analysis	5.9	9.7	7.2	<<	Extensive development of skills in this area may be required
Operations Analysis	5.0	7.9	3.3	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	6.9	2.4	<<	Extensive development of skills in this area may be required

Equipment Maintenance	3.5	6.7	2.4	<<	Extensive development of skills in this area may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 93			
Focus Occupation: Radiologic Technologists (29-2034) Associated Occupation: Radiation Therapists (29-1124)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Problem Sensitivity	11.1	13.9	11.4	<	Some improvement in abilities may be required
Information Ordering	9.9	11.9	10.5	<	Some improvement in abilities may be required
Arm-Hand Steadiness	6.8	11.1	10.5	0	Current ability level may be sufficient
Perceptual Speed	7.4	9.2	8.4	0	Current ability level may be sufficient
Speed of Limb Movement	3.2	5.6	4.4	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 92
Focus Occupation: Radiologic Technologists (29-2034) Associated Occupation: Radiation Therapists (29-1124)		
Work Activities	Exclusivity of Activity	
Administer injections	60	
Administer radioactive isotopes	95	
Collect clinical data	56	
Communicate technical information	4	
Follow clinical radiation safety procedures	77	
Make presentations on health or medical issues	50	
Observe patient condition	48	
Operate radiologic equipment	99	
Position patient for therapy	70	
Take vital signs	56	
Understand technical operating, service or repair manuals	6	
Use interpersonal communication techniques	10	
Use knowledge of medical terminology	40	
Use sanitation practices in health care settings	48	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 76

Focus Occupation: Radiologic Technologists (29-2034)
Associated Occupation: Radiation Therapists (29-1124)

Tools and Technologies	Exclusivity
Computers	1
Emergency medical services resuscitation products	15
Indicating and recording instruments	2
Industry specific software	1
Medical computed tomography CT or CAT systems and related products	27
Medical diagnostic x ray products	26
Medical imaging processing equipment and supplies	33
Medical magnetic resonance imaging MRI products	33
Medical radiation detection or monitoring products	31
Medical radiological positioning aids	47
Medical radiological shielding and protection products	31
Medical ultrasound and doppler and echo imaging products	19

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.